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(54) ELECTRODE CATALYST LAYER, FILM-ELECTRODE COMPLEX AND THEIR  
MANUFACTURING METHOD AND BATTERY USING SAME

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a thin electrode catalyst layer with high catalyst utilization efficiency and high output performance by restraining deterioration of performance due to coating defect in forming an electrode catalyst layer and a cost hike due to complicated processes.

SOLUTION: The electrode catalyst layer has a catalyst-polymer complex composed of at least a catalyst layer and a polymer integrally constructed with a holding layer composed of a porous conductive sheet and/or non- conductive cloth, with thickness of 50  $\mu$ m or less.

## LEGAL STATUS

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